



***Division of Public Health Services***

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**FAX TRANSMITTAL SHEET**

**DATE:** December 15, 2003

**TO:** Laboratory Director and QA Manager

**FROM:** Wesley B. Press, Bureau Chief  
State Laboratory Services

**Subject:** Information Update #82

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**NOTE:** If any of the pages are missing, please call 1-800-952-0374, (602) 364-0734 or (602) 364-0732.

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## **Information Update**

**December 15, 2003**

**Update #82**

1. The sub-committee of the Arizona Environmental Laboratory Advisory Committee (ELAC) has revised the Arizona Data Qualifiers List, Revision 1.0. The new list, Revision 2.0, 11/26/03, can be found on our ADHS website:

<http://www.hs.state.az.us/lab/license/tech/infoup.htm>

Some new qualifiers have been added and some minor modifications have been made to the existing ones. One of the most notable changes is the addition of the general guidelines for use and application of the data qualifiers.

The Arizona Department of Environmental Quality requires the use of these specific data qualifiers. The Arizona Laboratory Licensure Rules R9-14-617, F.4, also require qualifying the data not obtained in accordance with the approved method and the laboratory's quality assurance plan. To comply with the ADHS rules, a lab can flag with these data qualifiers or with any other appropriate flags. For details, please see the Information Update #63 at:

[http://www.hs.state.az.us/lab/license/tech/61\\_70/infoup63.htm](http://www.hs.state.az.us/lab/license/tech/61_70/infoup63.htm)

2. The CEM Corporation's "Closed Vessel Microwave Digestion of Wastewater Samples for Metals Determination" has now been Director approved. The labs using this microwave digestion procedure, for specific metals approved by this method, should request our office to add this procedure to their license. It will be added at no additional cost to the labs.
3. The digestion acids prescribed in the EPA methods 200.7 (Rev 4.4), 200.8 (Rev 5.4) and 200.9 (Rev 2.2) must be followed. The substitution of acids is not permitted.
4. The Technical Resources and Training Program is tentatively planning to have the following workshops during the month of March 2004. Mr. Jack Farrell of Analytical Excellence, Inc. (AEX) will present the workshops.
  - a. How to Properly & Scientifically Calibrate an Analytical System

- A Practical Guide to Sound Operational Practices: (8 hours; cost ~ \$ 225.00)

The course description by AEX is as follow:

"Proper calibration and calibration verification of analytical systems are critical cornerstones to the generation of accurate and reliable data. Understanding the strengths of calibration options and the limitations of computerized data systems will assure proper calibrations and efficient operational practices. This interactive course focuses on the critical importance of properly calibrating organic and inorganic analytical systems. A variety of options for calibrating and verifying calibration for instrumental and non-instrumental analytical systems are discussed along with proper practices, documentation practices, and advantages and disadvantages that are associated with different types of calibration curves. Particular attention is given to differentiating between proper and improper calibration procedures so that participants will have a clear understanding of what is acceptable practice and what is not. This training seminar provides practical, comprehensive, and invaluable guidance on understanding the principles of calibration using lecture, discussion, and small group exercise. Ample time will be allowed for questions and discussion of real life examples."

- b. Effective Internal Auditing to Meet Compliance Needs & Increase Service, Integrity & Efficiency: (4 hours, cost ~ \$125.00)
- c. Prevention through Effective Corrective Actions: (4 hours, cost ~ \$125.00)
- d. If there is enough interest, we will repeat the Manual Integration and Ethics workshops that were presented last year. For additional details on these two workshops, please see the Information Update #78 at:  
[http://www.hs.state.az.us/lab/license/tech/71\\_80/infoup78.htm](http://www.hs.state.az.us/lab/license/tech/71_80/infoup78.htm)

Please respond to us by fax (602) 364-0758 or by phone (602) 364-0734, before December 22, 2003, if you are interested in attending these workshops so that we can make appropriate plans.

- 5. If you have any questions, please call Prabha Acharya, Program Manager, Technical Resources and Training, at the Laboratory Licensure numbers or E-mail, [pachary@hs.state.az.us](mailto:pachary@hs.state.az.us). Copies of the Information Updates can now be found at our internet address:  
<http://www.hs.state.az.us/lab/license/tech/infoup.htm>